AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method of generation and homodyne detection comprising providing electrical paths each having an equal value, the electrical paths between a shunt arm in a waveguide T-connection and a generation diode in one collinear arm and a detection diode in another collinear arm such that signals from a ~~single~~ microwave antenna that both radiates to and receives signals reflected from ~~an inspected~~ mobile objects such signals being ~~are~~ used to provide position and shift of the mobile objects~~for inspection~~.

2. (Currently Amended) A generation and homodyne detection system containing generation Gunn diode seating connected with one collinear arm, and detection diode seating connected with the second collinear arm significant by waveguide T-connection between generation diode seating and detection diode seating and a ~~single~~ microwave antenna for radiating to and receiving signals from ~~an inspected~~ mobile objects such signals being used to provide position and shift of the mobile objects, the waveguide T-connection connected to the microwave antenna.

3. (Previously Presented) The method of claim 1 wherein signals from the single microwave antenna are received by the waveguide T-connection.